

**Tuesday, September 11, 2012**

8:00 am Registration

8:30 am Opening Remarks/Overview of the NRC Severe Accident Research Program NRC

**Technical Session 1 – Severe Accident Research Activities**

Co-Chairs: F. Fichot, IRSN and H. Hoshi, JNES

9:00 am CSARP Activities Status in China Z. Kefeng, NNSA

9:30 am Overview of Severe Accident Research in Sweden W. Frid, SSM

10:00 am BREAK

10:30 am Severe Accident Activities in Belgium L. Sallus, GDF

11:00 am Overview of Severe Accident Research Activities at KIT A. Miassoedov, KIT

11:30 am Recent Severe Accident Activities in Spain J. Martin, CSN

12:00 pm LUNCH

**Technical Session 2 – Severe Accident Research: Codes and Experiments**

Co-Chairs: T. Lind, PSI and W. Frid, SSM

1:00 pm Codes to Codes Benchmark on Molten Core Concrete Interaction for Reactor Cases L. Sallus, GDF

1:30 pm Use of MELCOR 2.1 to Model Aerosol Transport in SFR Containments C. Lopez, CIEMAT

2:00 pm Overview on Current OECD-THAI-2 Experiments and National THAI Test Series for CFD Code Validation M. Sonnenkalb, GRS

2:30 pm Iodine Behavior During a Severe Accident: Overview of the Main Steps of Progress in Reducing Uncertainties and Recent Advances L. Cantrel, IRSN

3:00 pm BREAK

3:30 pm Progress in the PSI Steam Generator Safety Project T. Lind, PSI

4:00 pm	Pre-Test Quench-Debris Simulation with Modified MELCOR 1.8.6 Code	J. Duspiva, NRI
4:30 pm	Code Development at IBRAE	V. Strizhov, IBRAE
5:00 pm	Recent ENEA activities in the Field of Severe Accident and Computer Code Calculation	M. Sangiorgi, ENEA
5:30 pm	Development of Ultimate Response Guidelines for a Nuclear Power Plant in Taiwan to Cope with Postulated Compound Accident	J. Teng, INER
6:00 pm	ADJOURN	

### **Wednesday, September 12, 2012**

#### **Technical Session 3 – Fukushima Daiichi Accident Analysis**

Co-Chairs: N. Mosunova, IBRAE and S.W. Hong, KAERI

9:00 am	Severe Accident Activity at JNES	H. Hoshi, JNES
9:30 am	MELCOR Analysis of TEPCO's Fukushima Dai-ichi NPS	N. Kakamura, JNES
10:00 am	Overview of IRSN Fukushima Accident Simulations with ASTEC	F. Fichot, IRSN
10:30 am	BREAK	
11:00 am	The Effect of Safety Systems Performance on a Fukushima-Like Scenario	C. Lopez, CIEMAT
11:30 am	Overview of SNL Activities and Response to Fukushima Accident	R. Gauntt, SNL
12:00 pm	LUNCH	

#### **Technical Session 4 – State-of-the-Art Reactor Consequence Analysis**

Co-Chairs: T. Sevón, VTT and A. Miassoedov, KIT

1:00 pm	SOARCA Objectives, Process, Results, and Conclusions	J. Barr, NRC
1:45 pm	Severe Accident Progression Analyses in SOARCA and Comparisons to Fukushima	R. Gauntt, SNL
2:30 pm	BREAK	
3:00 pm	SOARCA Uncertainty Analysis Objectives, Process, and Available Results and Conclusions	T. Ghosh, NRC

3:45 pm General Discussion

4:30 pm ADJOURN

**Thursday, September 13, 2012**

**Technical Session 5 – Severe Accident Research and Debris Coolability**

Co-Chairs: C. Lopez, CIEMAT and H. Kim, KINS

8:30 am	Status of OECD/SERENA Project	S.W. Hong, KAERI
9:00 am	Extension of Debris Coolability Database with PRELUDE Results and the Consequences for Modeling	F. Fichot, IRSN
9:30 am	Particle Break-up and Bounce upon Impaction	T. Lind, PSI
10:00 am	BREAK	
10:30 am	Partner's Meeting (Open to Partners Only)	
12:00 pm	LUNCH	

**MELCOR Cooperative Assessment Program (MCAP) Meeting**

1:00 pm	Registration	
1:30 pm	Introduction and Opening Remarks	NRC / SNL

**Technical Session 1 – MELCOR Applications and Assessment 1**

Co-Chairs: R. Lopez, CNSNS and T. Steinrötter, GRS

2:00 pm	Status of MELCOR Developmental Assessment	L. Humphries, SNL
2:30 pm	MELCOR Activities at PSI: SFP Program	A. Rydl, PSI
3:00 pm	BREAK	
3:30 pm	Analysis on Hydrogen Safety for APR1400 during Station Blackout Accident	J. Lee, KINS
4:00 pm	MELCOR Modeling of Passive Containment Cooling System Experiment PANDA T1.1	T. Sevón, VTT
4:30 pm	PHEBUS FPT3, Core Degradation and RN Transport with MELCOR 2.1 and SNAP	M. Sangiorgi, ENEA
5:00 pm	ADJOURN	

**Friday, September 14, 2012**

**Technical Session 2 – MELCOR Applications and Assessment 2**

Co-Chairs: J. Martin, CSN, and J. Duspiva, NRI

8:30 am	Status of the Work on MELCOR Performance Improvement	N. Mosunova, IBRAE
9:00 am	MELCOR Accident Simulation Using SNAP	J. Phillips, SNL
9:30 am	Current Activities at GRS Regarding the Application of the MELCOR 1.8.6 Code	T. Steinrötter, GRS
10:00 am	BREAK	
10:30 am	MELCOR Application to Blind and Open Simulations of THAI TH-22 Test	J. Duspiva, NRI
11:00 am	MELCOR Simulation of Iodine Behavior in the Containment	H. Kim, KINS
11:30 am	Use of MELCOR for Modeling Accidents in BWR Spent Fuel Pools	M. Löffler, AREVA NP GmbH
12:00 pm	ADJOURN	